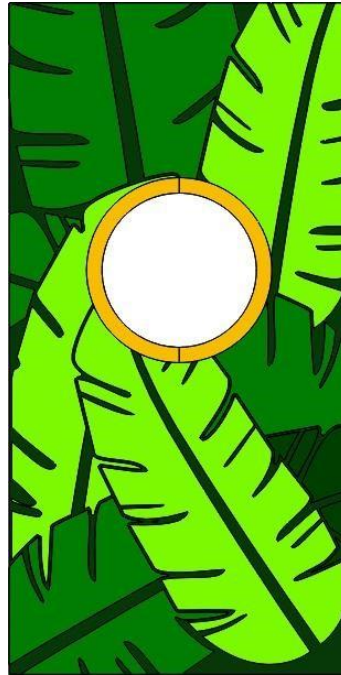




## FOREST YN-201 GAME GROUP TECHNICAL SPECIFICATION

### GENERAL CHARACTERISTICS OF THE WOOD TO BE USED

- \* The wood to be used for manufacturing is an industrial wood product obtained from a tree called birch-derived solid panel, which is obtained by cross-linking by gluing with phenol resin.
- \* Plywood made of birch wood is a long-lasting material suitable for outdoor use, resistant to contact with water. Its production is carried out in CE EN 13986 quality standards. The material density is around 680-700 kg/m<sup>3</sup>. It is also known as Water Contrast due to the WBP glue used in its production.
- \* Wood sections, maximum ( $\pm$ ) 5 mm according to the project. tolerantly, the maximum length of wood is ( $\pm$ ) 20 mm. it will be manufactured with tolerance.
- All fixed connections will be made with the help of stainless wood screws or galvanized bolts. All metal connections and bolts used in the system are mounted by countersinking (embedding) to the surface. The bolts will be closed with polyethylene caps shaped by injection method in order to protect them from external factors.
- All children's playgroups will comply with the general safety rules related to the game elements of "TS EN 1176".



## CARRIER CONSTRUCTION

The carriers are min. 90x90 lengths with dimensions suitable for construction ( $\pm$ ) 10 mm in size. If additions are made to the standard length, they will be made with connection elements in accordance with TSE standards. The sharp corners on the slats used in the carrier construction will be softened and the surfaces will be subjected to sanding treatment in order to be free from roughness.

Defect: Bruised disabled, partially boiled and fallen splinter will not be found.

Crack: There will be no ring crack. Capillary cracks may be found (1-2 mm).

Resin pouch: Its length does not exceed 10 cm and 1 piece can be found in each meter. There will be no dripping, attracting resin. The inner shell will not be found. There will be no rotten holes. There will be no insect holes. There are no manufacturing defects and there may only be deviations within the specified tolerances.

Bending: The part will not exceed 1/50 of its height. The multiplications shall not exceed 1/100 of the track width.

Torsion: It shall not exceed 2 mm in each meter length. Leaning on your sword: The piece will be tolerated between 1/50 and 1/100 of its Decile length.

Sanding: All visible surfaces will be sanded and cleaned of splinters.

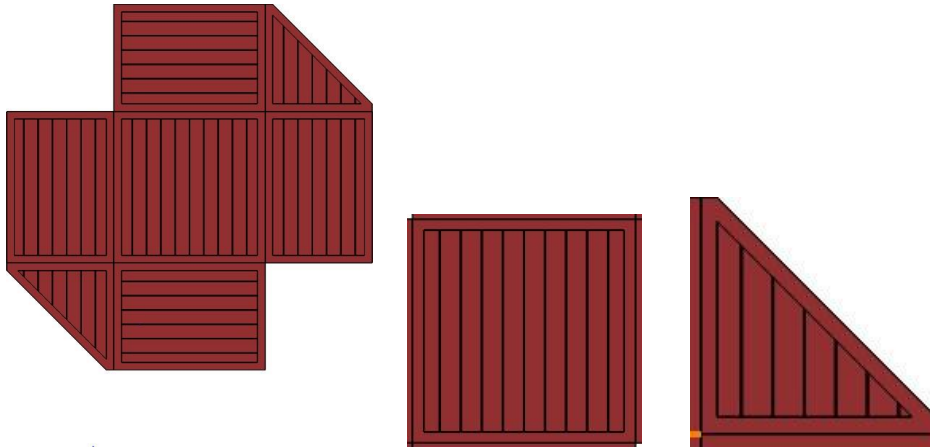
All fixed connections will be made with the help of stainless wood screws or galvanized bolts. All metal connections and bolts used in the system are mounted by countersinking (embedding) to the surface. The bolts will be closed with polyethylene caps shaped by injection method in order to protect them from external factors.

Wooden children's playgroup anchors will be manufactured by combining flanges made of minimum 3mm sheet metal with welding method in such a way as to wrap the minimum two sides of the strut.

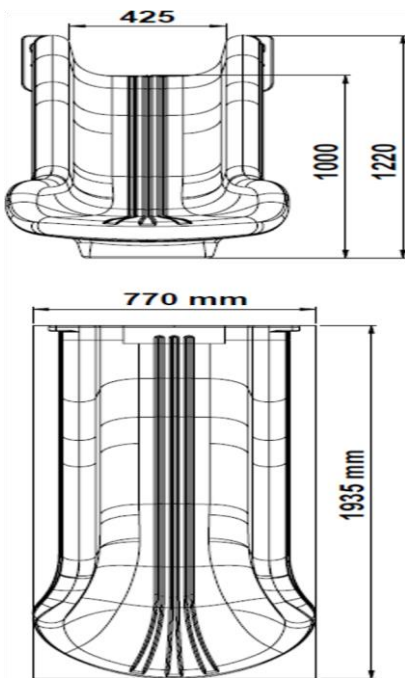
In addition, all the general properties of timber listed in the introductory part of the specification will be provided in the load-bearing construction.

#### FASTENERS

- \* The carrier platform and railing connections will be provided with minimum 8 mm thick rods and galvanized bolts with lathed filled iron.
  
  - \* The carrier platform and guardrail connections must be wound in such a way that there is no gap between the Decking and the pipes forming the carrier construction.
  
  - \* The protrusion of the connections and apparatus from the main construction shall be 16 mm in order to protect the health of the child. The protrusions of all bolts and nuts used in the system will be a maximum of 3 mm. These points will be closed with plastic covers.
  
  - \* Coloring of connection materials made by injection method will comply with child health and food regulations
- 
- All game groups will meet the requirements of TSE 1176.



### H100 FLAT SLIDE



- 100 cm. on FLAT slides connected to the platform at its height; the angle of inclination of the sliding section with the bed will be manufactured as a



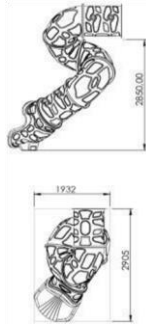
**double- walled and single piece, so that the maximum 40° is measured according to the height axis of the slide.**

- **The height of the side parts of the entrance section of the flat slide shall be at least 20 cm. The width of the sliding section of the Flat Slide will be at least 40 cm.**
- **The width of the exit section of the flat slide will be at least 75 cm, the exit radius will be at least 50 mm.**
- **The exit section of the slide will be concreted by embedding into the ground with an anchor.**
- \* **The slides will be manufactured with rotation technology from powdered self-colored LLDPE raw material. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.**
- **TS EN 1176-3 / 04.02.2010 It is mandatory to have the expression 'FLAT SLIDE' within the Scope of the Document**

**\* Weight Min.25 KG**

## **H285 SPIRAL TUBE SLIDE**





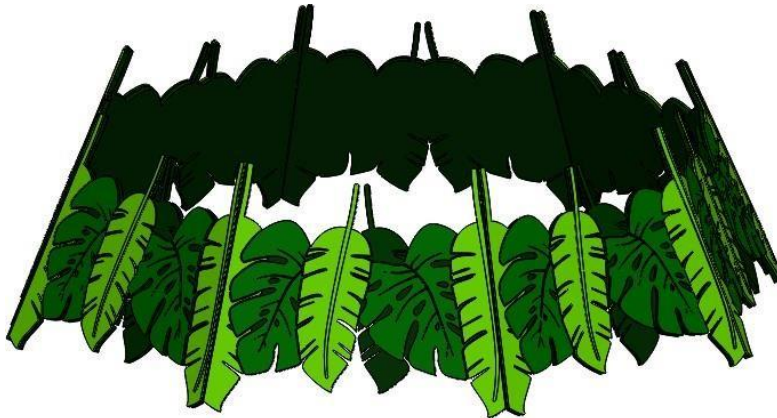
- The parts that make up the tube slide; The entrance panel and the tube exit part will be made of powdered self-colored LLDPE raw material with double walls, and the spacers will be Decoupled with single walls with rotation technology. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.
- H: It will be designed to descend a maximum of 40 slopes from platforms with a height of 285 ( $\pm 10$  cm). It should be in accordance with the shape in the technical drawing. The inner diameter of the cylindrical slide will be 75 cm.
- \* The polyethylene barrier and minimum 145 angle bracket will be manufactured monolithic on top to ensure the safe entry of children to the slide. The entrance railing will be 285 cm ( $\pm 10$ ) high from the platform. There will be an angled exit bracket at the bottom to reduce the speed.
- Joining the three parts of the tube slide side by side, after face-to-face pressing, connection will be provided with the condition of using galvanized coating imbus bolts, nuts and washers as a result of 8 holes to be drilled on each tube part with a diameter of 10 mm. These connection nuts will be protected with plastic caps.
- There will be a metal foot connection place to be fixed to the ground at the bottom. These will be fixed by throwing concrete on the ground with metal legs according to their height.
- In order for the surface of the final product to be smooth, it is necessary that the surface of the mold made of aluminum or equivalent material has been sandblasted and manufactured by undergoing a teflon coating process for surface gloss.

\* Weight Min. 139 KG.

roof

The roof will be made according to the design from the birch plates mentioned above. It is formed by connecting 6 mm leaf patterns processed on the router machine to the 6 mm main plate processed on the router machine. It will be in TSE standards and will be produced and assembled in parts. The roof will be applied in accordance with the technical drawing overlaid on each other..

**The wood to be used on the roof will be made in accordance with the colors as indicated in the picture and technical drawing of the playset.**

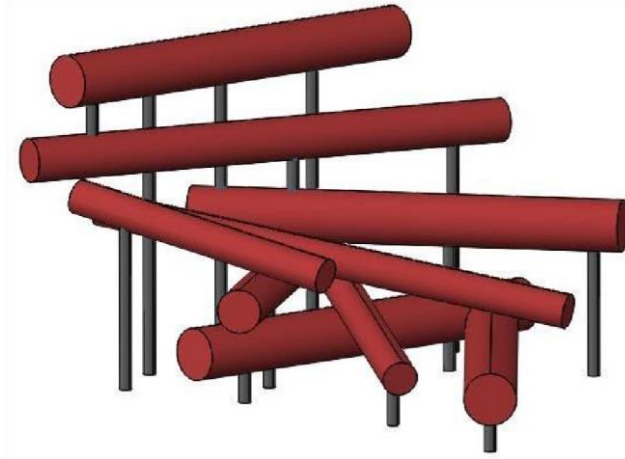


#### WOOD CLIMBING

The wood to be used will be turned yellow pine, which will be created using the lamination technique. Wood sections, minimum dimensions are given in accordance with the project. Maximum dimensions have been released. The maximum size limit will not be more than TSE standards. The minimum log diameter will be torched to be 10 cm.

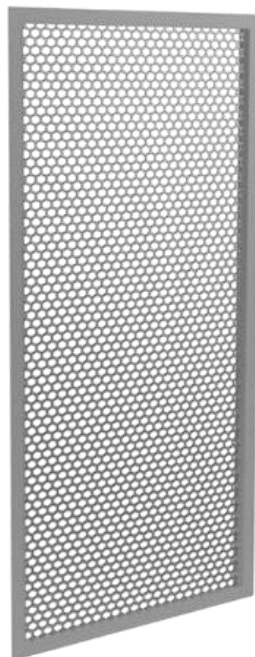
Sanding: All visible surfaces will be sanded and cleaned of splinters.

All fixed connections will be made with the help of stainless wood screws or galvanized bolts. All metal connections and bolts used in the system are mounted by countersinking (embedding) to the surface. The bolts will be closed with polyethylene caps shaped by injection method in order to protect them from external factors.



## WIRE MESH PANELS

Galvanized wire panels will be produced by hot dip method. Galvanized wires are obtained by soaking the manufactured steel wire in liquid zinc. Thanks to this dipping process, the surface of the steel wire is protected. The zinc layer is responsible for protecting the steel wire from rust, breakage or damage. The wire meshes will be cut according to the shape and size of the boards and connected to the game group



## YN-201 GAME GROUP PARK INSTALLATION AREA AND TOWER HEIGHTS



